

Security Information

DR-303

4 August 1952

MEMORANDUM

SUBJECT: Air Transportation, Planning Manual, Vol. III

Reviewed by [REDACTED]

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L/AR, O/RR

1. a. The sections on Aircraft Manufacture, Engine Manufacture, Propeller Manufacture, Aircraft Assembly, Sheet Metal Forming, Machining, Heat Treating, Protective Finishing, Sub-Assembly, Final Assembly, Flight Testing, Shipping, Utilities, and Plant layout (pages 1 through 15), together with the illustrative figures, have apparently been abstracted from "Photo Industrial Study No. 5," "The Aircraft Industry," OACAS, Intelligence, Headquarters, U.S. Army Air Forces and Photographic Intelligence Center, Division of Naval Intelligence, Navy Department, February 1945. It provides a good background picture of the U.S. aircraft industry as of 1944.

b. It is possible that since that time, the Soviet aircraft industry may have introduced some of the changes adopted by the U.S. industry, including,

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(1) Use of 75-ST Aluminum in aircraft structures, and

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(2) Increased dependence on large, special-purpose, hydraulic-electronic contour-following milling machines.

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(3) Production of reversible propellers with electrical circuits.

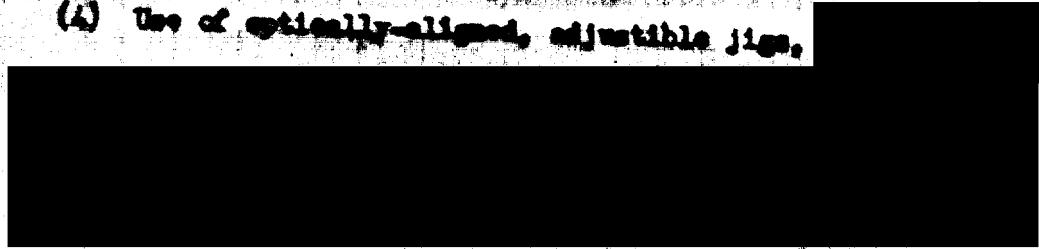
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(4) Use of optically-aligned, adjustable jigs.



2. The section on "General Sabotage in Aircraft Manufacture," (pages 15 through 20) appears to be an adequate treatment of physical sabotage methods. It might be worthwhile, however, to consider in greater detail the methods and effects of such psychological sabotage methods as confusion, delay, and slow-downs, in the complicated and closely-integrated scheduling required to assemble completed aircraft and aircraft engines.
3. The section on "Aircraft Operation and Maintenance" (pages 20 through 31) represents a good general background.
4. The section on "Sabotage of Aircraft," (pages 31 through 38) appears to be adequate.
5. It is suggested that the following publication be added to the "Bibliography":

"SABOTAGE AND PREVENTATIVE MEASURES."

U.S. Office of Civil Defense
Washington, 1943
CIA Library No. I 134.01.U.

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